REMARKS

Claim Rejections

Claims 1-7 are rejected under 35 U.S.C. § 112, second paragraph. Claims 1-7 are rejected under 35 U.S.C. § 102(e) as being anticipated by Ishikawa (US-6,262,734).

Drawings

It is noted that no Patent Drawing Review (Form PTO-948) was received with the outstanding Office Action. Thus, Applicant must assume that the drawings are acceptable as filed.

New Claims

By this Amendment, Applicant has canceled claims 1-7 and has added new claims 8-11 to this application. It is believed that the new claims specifically set forth each element of Applicant's invention in full compliance with 35 U.S.C. § 112, and define subject matter that is patentably distinguishable over the cited prior art.

The new claims 8-10 are directed toward a method for displaying a statistical chart on a scientific plotting type calculator, which comprises the steps of: a) detecting a plurality of data sets transferred from an input unit utilizing a central processing unit, each of the plurality data sets including an X value, a Y value, and a T value (301); b) saving the plurality of data sets in a memory unit (301); c) determining whether a modification of the X value of the plurality of data sets is received from the input unit utilizing the central processing unit (302); d) executing an edit operation and modifying the X value for the plurality of data sets utilizing the central processing unit when the modification of the X value of the plurality of data sets is received from the input unit, and proceeding to step f) when the X value of the plurality of data sets is not modified (303); e) determining whether a modification of the Y value of the plurality of data sets is received from the input unit utilizing the central processing unit (304); f) executing an edit operation and modifying the Y value for the plurality of data sets utilizing the central processing unit when the modification of the Y value of the plurality of data sets is received from the input unit,

and proceeding to step h) when the X value of the plurality of data sets is not modified (305); g) determining whether a modification of the T value of the plurality of data sets is received from the input unit utilizing the central processing unit (306); h) executing an edit operation and modifying the T value for the plurality of data sets utilizing the central processing unit, when the modification of the T value of the plurality of data sets is received from the input unit, and proceeding to step i) when the X value of the plurality of data sets is not modified (307); and i) plotting a simulated three-dimensional graph representing the plurality of data sets utilizing the central processing unit to plot the simulated three-dimensional graph on an LCD display of an output unit, wherein the simulated three-dimensional graph includes a plurality of dots connected by lines, each of the plurality of dots represents at least two values for each of the plurality of data sets selected from the group consisting of the X value, the Y value, and the T value (308).

Other embodiments of claims 8-10 include: the plurality of data sets transferred from an input unit in the detecting step a) are input by a user; and the plurality of data sets transferred from an input unit in the detecting step a) were previously stored in the memory unit.

New claim 11 is directed toward a statistical chart display device for a scientific plotting type calculator comprising: central processing unit (10) having: an input/output buffer (11); an input editor (12) and a graph/text converter (13) electrically connected to the input/output buffer; an algebraic logic counting unit (14) electrically connected to the input editor; and a time generator (15), a text display buffer (16), a data read access memory (17), and a graph generator (18) electrically connected to the algebraic logic counting unit, the graph/text converter electrically connected to the time generator, text display buffer, and a graph display buffer (19), the graph display buffer electrically connected to the graph generator; an input unit (20) electrically connected to the central processing unit; an out put unit (30) having a display and electrically connected to the central processing unit; and a memory unit (40) electrically connected to the central processing unit.

The primary reference to Ishikawa discloses a graphic data generating apparatus including a computer system (20) with a display device (24), a floppy disc drive (216), and a mouse (262). The computer system stores and reads data from

the floppy disc and displays objects in a 3-dimensional virtual space on the display device, wherein the mouse is used for moving the object in the 3-dimensional virtual space.

Regarding claims 8-10, Ishikawa teaches moving an object in a three-dimensional virtual space, but does not teach: c) determining whether a modification of the X value of the plurality of data sets is received from the input unit utilizing the central processing unit; d) executing an edit operation and modifying the X value for the plurality of data sets utilizing the central processing unit when the modification of the X value of the plurality of data sets is received from the input unit, and proceeding to step f) when the X value of the plurality of data sets is not modified; e) determining whether a modification of the Y value of the plurality of data sets is received from the input unit utilizing the central processing unit; f) executing an edit operation and modifying the Y value for the plurality of data sets utilizing the central processing unit when the modification of the Y value of the plurality of data sets is received from the input unit, and proceeding to step h) when the X value of the plurality of data sets is not modified; g) determining whether a modification of the T value of the plurality of data sets is received from the input unit utilizing the central processing unit; nor does Ishikawa teach h) executing an edit operation and modifying the T value for the plurality of data sets utilizing the central processing unit, when the modification of the T value of the plurality of data sets is received from the input unit, and proceeding to step i) when the X value of the plurality of data sets is not modified. Ishikawa does not teach plotting a simulated three-dimensional graph representing the plurality of data sets utilizing the central processing unit to plot the simulated three-dimensional graph on an LCD display of an output unit; the simulated three-dimensional graph includes a plurality of dots connected by lines; nor does Ishikawa teach each of the plurality of dots represents at least two values for each of the plurality of data sets selected from the group consisting of the X value, the Y value, and the T value.

Regarding claim 11, Ishikawa does not teach an algebraic logic counting unit electrically connected to the input editor; a time generator, a text display buffer, a data read access memory, and a graph generator electrically connected to the algebraic logic counting unit; nor does Ishikawa teach the graph/text converter

electrically connected to the time generator, text display buffer, and a graph display buffer.

It is axiomatic in U.S. patent law that, in order for a reference to anticipate a claimed structure, it must clearly disclose each and every feature of the claimed structure. Applicant submits that it is abundantly clear, as discussed above, that Ishikawa does not disclose each and every feature of Applicant's new claims and, therefore, Ishikawa could not possibly anticipate these claims under 35 U.S.C. § 102. Absent a specific showing of these features, Ishikawa cannot be said to anticipate any of Applicant's new claims under 35 U.S.C. § 102.

It is further submitted that Ishikawa does not disclose, or suggest any modification of the specifically disclosed structures that would lead one having ordinary skill in the art to arrive at Applicant's claimed structure. Thus, it is not believed that Ishikawa renders obvious any of Applicant's new claims under 35 U.S.C. § 103.

Summary

In view of the foregoing amendments and remarks, Applicant submits that this application is now in condition for allowance and such action is respectfully requested. Should any points remain in issue, which the Examiner feels could best be resolved by either a personal or a telephone interview, it is urged that Applicant's local attorney be contacted at the exchange listed below.

Respectfully submitted,

Date: March 22, 2003 By: _____

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